

INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the Academic Year 2024-25

CLASS: VI SUBJECT: MATHEMATICS DATE: 12- 02-2025

LESSON: 12 RATIO AND PROPORTION

- There are 15 apples, 20 oranges, and 5 pineapples in a basket.
  - Find the ratio of the number of apples to the number of oranges
  - Find the ratio of the number of oranges to the number of pineapples
  - Find the ratio of the number of pineapples to the number of apples
- Find the ratio of the following:
  - 25 paise to ₹ 2.25
  - 2L to 250 mL
  - 4.5m to 150cm
  - 3km to 820m
  - 900g to 3.6Kg
- Divide ₹140 between Neenu and Fathima in the ratio 3:2
- The cost of 10 notebooks is ₹440 and the cost of 3 pens is ₹ 45. Find the ratio of the cost of a notebook to cost of a pen
- Check whether the following terms are in proportion or not. If they form a proportion write the middle terms and extreme terms
  - 6, 15, 4, 10
  - 12, 4, 3, 1
  - 88, 110, 22, 55
  - 30,40,45,60
  - 7, 14, 4, 9
- Write true or false of the following
  - 15: 8 :: 60: 32
  - 27: 12::20: 44
  - 14: 6::2.1: 0.9
- A car covers 220km in 4 hours. Find the time it takes to cover 77km.
- The cost of 8kg apples is ₹192. Find the cost of 3kg apples
- A man earns ₹2400 in 8 days.
  - How much will he earn in 15 days
  - How many days will it take to earn ₹6000?
- The weight of 32 magazines is 3kg. Find the weight of 80 such magazines

11. The cost of 8 T-shirts is ₹2600. How many T-shirts can be purchased with ₹8125
12. ₹ 24,000 is divided among Sunil, Salim, and Ali in the ratio 3: 5: 4. Find the amount each one received.
13. A car travels 130km in  $2\frac{1}{2}$  hours.
- a) Find the time required to travel 240km.
- b) Find the distance travelled in 3 hours

**Answers:**

1. a) 3: 4      b) 4:1      c) 1:3
2. a) 1: 9      b) 8:1      c) 3:1
3. ₹84 and ₹56      4. ₹44 : ₹15
- 5.

No	Proportion	Middle Terms	Extreme Terms
a	Yes	15,4	6,10
b	Yes	4,3	12,1
c	No		
d	Yes	40,45	30,60
e	No		

6. a) True      b) False      c) True
7. 1.4 hours      8. ₹72
9. a) ₹4500/-      b) 20days
10. 7.5Kg      11. 25
12. Sunil-₹6000, Salim-₹10,000, Ali- ₹8000
13. a)  $4\frac{8}{13}$  hours      b) 156Km

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